

**AMENDMENTS TO THE DRAWINGS**

The attached drawing includes a change to Fig. 4.

Attachment:      Replacement sheet for Fig. 4.  
                        Annotated sheet showing change in Fig. 4.

**REMARKS**

This Amendment responds to the Office Action mailed March 22, 2006 in the above-identified application. Based on the foregoing amendments and the following comments, allowance of the application is respectfully requested.

Claims 1-89 were previously pending in the application. By this amendment, claims 1 and 18 have been amended. Claims 4 and 19-89 have been cancelled without prejudice or disclaimer. Claims 19-89 have been withdrawn from consideration. Accordingly, claims 1-3 and 5-18 are currently pending, with claims 1 and 18 being independent claims. No new matter has been added.

The Examiner has objected to Fig. 4 as failing to comply with 37 C.F.R. § 1.84(p)(5) because it includes a reference character not mentioned in the description and does not include a reference character mentioned in the description. A corrected drawing sheet is enclosed. In the corrected drawing sheet, reference character 312 in Fig. 4 is changed to reference character 400, so as to agree with page 12, paragraph [0041] of the specification. Accordingly, approval of the corrected drawing and withdrawal of the drawing objection are respectfully requested.

The Examiner has rejected claim 18 under 35 U.S.C. § 101 because the claimed invention is directed to non-statutory subject matter. Claim 18 has been amended to define a computer-readable medium containing computer-executable instructions. Amended claim 18 is directed to statutory subject matter, and withdrawal of the rejection is respectfully requested.

The Examiner has rejected claims 1-3, 5-8 and 13-18 under 35 U.S.C. § 102(e) as anticipated by Chow (US 6,771,996). Claims 10 and 11 are rejected under 35 U.S.C. § 103(a) as unpatentable over Chow in view of Hung et al. (US 2005/005811). Claim 12 is rejected under 35 U.S.C. § 103(a) as unpatentable over Chow in view of Stanley (US 6,836,467). Regarding claim 9, the Examiner takes Official Notice that it is well known to have a node that is equipped with exactly one omni-directional antenna. Claim 4 is indicated to be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

Applicants do not concur in the rejections and expressly reserve the right to file the rejected claims in a continuation application. Nonetheless, in order to advance prosecution of the application, the limitations of allowable claim 4 have been incorporated into claim 1, and claim 4 has been cancelled. Accordingly, claims 1-3 and 5-17 are in condition for allowance. In addition, claim 18 has been amended to incorporate the limitations of allowable claim 4. Accordingly, claim 18 is in condition for allowance.

Based upon the above discussion, claim 1-3 and 4-18 are in condition for allowance.

### CONCLUSION

A Notice of Allowance is respectfully requested. The Examiner is requested to call the undersigned at the telephone number listed below if this communication does not place the case in condition for allowance.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, Applicant hereby requests any necessary extension of time. If there is a fee occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 23/2825.

Dated: June 21, 2006

Respectfully submitted,

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Attachments

App No.: 10/680,549  
Inventor: Kamal Jain et al.

Docket No.: M1103.70141US00

Title: MODEL AND METHOD FOR COMPUTING PERFORMANCE  
BOUNDS IN MULTI-HOP WIRELESS NETWORKS  
ANNOTATED SHEET

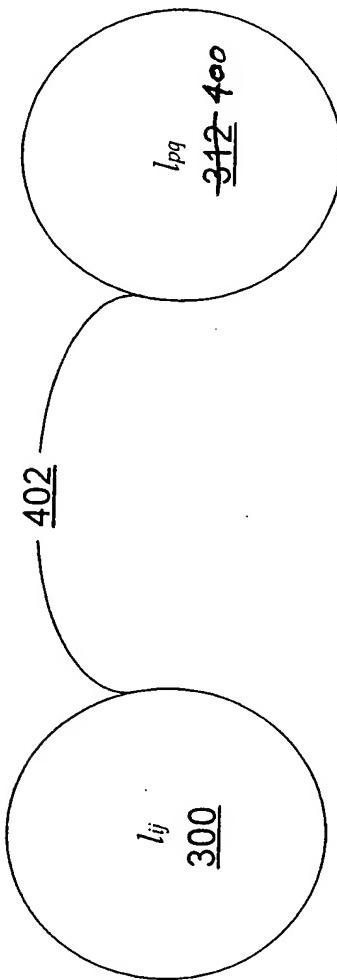


FIG. 4